

In the Specification:

Please make the following changes in the designated paragraphs of the specification:

Page 1, line 13 to line 27:

Using such a circuit arrangement to generate square pulses is known. The known circuit is used for instance to measure the field intensity of a magnetic field. A magnetic field probe, which is embodied as an inductive resistor and represents the energy-storing element, is placed in the magnetic field to be measured. The magnetic field probe is embodied such that it is brought to saturation by the magnetic field to be measured and the magnetic field generated by the current. As long as no external magnetic field acts on the magnetic field probe, or in other words the magnetic field to be measured is zero, the magnetic field probe has an electrical behavior that, in terms of an electric current flowing through it, is independent of the direction of the current. The square pulses generated by the circuit arrangement, as a result, have is a pulse-duty factor of 1:1 ~~in the square pulses generated by the circuit arrangement.~~

Page 3, line 20 to line 23:

It is an object of the invention to provide ~~embod~~ a circuit arrangement of the type defined at the outset in such a way that for generating square pulses of the above-described kind in which the influence of the tolerance in the components is lessened.

Page 3, line 24 to 26:

~~This object is attained by the characteristics of the body of claim 1.~~

~~Advantageous refinements of the invention are defined by the dependent claims.~~

It is another object of the present invention to provide an improved compensation current sensor for current flowing in an electrically conducting element with a controller, which includes the circuit arrangement for generating square pulses according to the invention.